

Abstract

The coating composition comprises inorganic oxide, e.g., silica, in combination with a binder system comprising a mixture of a water soluble polymer and non-ionic latex polymer. The composition may contain optional dye mordant (e.g., cationic polymer). It is found that the combinations of these components result in relatively high solids formulations (e.g., greater than 20% by weight) with relatively low viscosity (less than 5000 centipose), do not exhibit coating dusting, and give exceptional ink-jet printability. These formulations are especially suitable for preparing on-line formulations because they can be formulated to have a viscosity less than 2000 centipose. Preferable embodiments for online coatings have a viscosity less than 1000 centipose.

09350060.1070899